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Air Methods Critical Care Exam Review (NEW 2023/ 2024 Update) Study Guide with Questions and Verified Answers| 100% Correct| Grade A Guaranteed

QUESTION
_Primary cause of death with ventilator dependent patients

Answer: Ventilator ac- quired pneumonia

QUESTION
_Mannitol (Osmitrol)

Answer: - 1-2 g/kg
-reduce ICP
-reduce IOP
-promote diuresis for ARF
-remove (excrete) toxic substances

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QUESTION
_Ativan

Answer: -seizures
- 1-2 mg
- max 4mg

QUESTION
_Ketamine

Answer: - Induction agent of choice with bronchospastic patient
-RSI
- 1 - 2 mg/kg

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- 40-60 second onset
- 10 - 20 minute duration
- combative: 5mg/kg IM or IN
- pain: 0.1 - 0.2 mg/kg IV
- increase oral secretions
- caution with HTN
- may cause laryngospasms

QUESTION

Consensus formula

Answer: - LR/NS 2-4ml x kg x TBSA%
- give half over the first 8 hours from burn time
- give half over the next 16 hours

QUESTION

Parkland Formula

Answer: - LR/NS 4ml x kg x TBSA%
- give half over the first 8 hours from burn time
- give other half over next 16 hrs
- use for >20% TBSA in adults and >10% in peds

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QUESTION

Burn hypotension considerations

Answer: -Hypotension is a late sign in burns
-If comes in with hypotension then consider other traumatic causes like hemothorax, cardiac tamponade, neurogenic shock, internal abdominal or pelvic bleeding

QUESTION

Adult rule of nines

Answer: - Head/neck: 9%

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- each arm/hand: 9%
- chest: 9%
- abdomen: 9%
- back: 18%
- each leg: 18%
- genitals: 1%

QUESTION

_Pediatric rule of nines

Answer: - Head: 18%
- chest/abd: 18%
- Back: 18%
- Full arm: 9%
- Full leg: 14%

QUESTION

_Bowel sounds in chest cavity

Answer: -Diaphragmatic rupture
-Most common in the left chest

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QUESTION

_Dehydration raises serum?

Answer: Sodium
Normal sodium; 135-145

QUESTION

_Treat HTN if blood pressure is over

Answer: - 220 systolic
- MAP over 130

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QUESTION
_ARDS (acute respiratory distress syndrome)

Answer: - PCWP <18
- CXR with bilateral pulmonary infiltrates
- PaCO2:FiO2 ratio <200
- increase PEEP

QUESTION
_Normal FHR

Answer: 120 - 160

QUESTION
_Passive Rewarming

Answer: - Mild hypothermia only
- Up to 1 degree/ hr with blankets or heater

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QUESTION
_Active rewarming

Answer: application of an external heat source to rewarm the body of a hypothermic patient

QUESTION
_Warm and dead temp

Answer: 32 degrees

QUESTION
_Heat stroke

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